

ESTIMATE OF COSTS TO BARGE MATERIAL TO TOGIAK

BORROW TYPE A

Item	Unit	Amount	Unit Cost	Total	Notes
borrow, type A	CY	8615	\$20	\$172,300	price to purchase material and load onto barge, Steve of Knik Construction, 1-800-770-5645
Barge	RT	19	\$27,000	\$513,000	Brice's barge carries 750 tons with 6' draft, Togiak has 1 high high tide per day, so 24 hour stop in togiak, 3 days per round trip, 103 NM one way distance between ports- Chuck 277-2002
Barge, Fuel	RT	19	\$9,000	\$171,000	Brice's Barge/Tug 1500 gallons per RT, current 5.60 \$/gal, assume 6 \$/gal
Unload Material, borrow, type A	CY	8615	\$20	\$172,300	my assumption, same price as purchase/load from Knik-knik has automated conveyor loading system, so assume purchase+load with conveyor=unload with equipment and no purchase

Total Cost \$1,028,600

Cost Per yard \$120.00

CRUSHED AGGREGATE COURSE

Item	Unit	Amount	Unit Cost	Total	Notes
crushed aggregate base course	CY	3140	\$57	\$178,980	price to purchase material and load onto barge, Steve of Knik Construction, 1-800-770-5645
Barge	RT	7	\$27,000	\$189,000	Brice's barge carries 750 tons with 6' draft, Togiak has 1 high high tide per day, so 24 hour stop in togiak, 3 days per round trip, 103 NM one way distance between ports- Chuck 277-2002
Barge, Fuel	RT	7	\$9,000	\$63,000	Brice's Barge/Tug 1500 gallons per RT, current 5.60 \$/gal, assume 6 \$/gal
Unload Material, crushed aggregate base course	CY	3140	\$20	\$62,800	my assumption, same price as purchase/load from Knik-knik has automated conveyor loading system, so assume purchase+load with conveyor=unload with equipment and no purchase

Total Cost \$493,780

Cost Per yard \$160.00

assumptions

1 CY=1.62 Tons, @ 120 pcf loose weight

Knik Construction owns the Platinum pit: pit run costs 12 \$/ton loaded, crushed costs 35 \$/ton loaded

Brice's Barge carries 750 tons (463 cy with assumption 1)